



preci-dip

WWW.PRECIDIP.COM TEL +41 32 421 04 00 SALES@PRECIDIP.COM

SOCKET CONNECTORS 2 mm

SINGLE ROW / DOUBLE ROW / SOLDER TAIL

"Hard metric" PCB socket connectors, solder tail.

TECHNICAL SPECIFICATIONS (FOR GENERAL SPECS, SEE PAGE 43)

INSULATOR	Black glass filled polymer LCP-GF30-FR
FLAMMABILITY	UL 94V-0
SLEEVE	Brass CuZn36Pb3 (C36000)
CONTACT CLIP (6 FINGER)	Beryllium copper (C17200)
MATING PINS	Ø 0.40 to 0.66 mm, ∇ 0.50 mm
FORCES	0.7 N typ. insertion 0.4 N typ. withdrawal (polished steel gauge Ø 0.46 mm)
MECHANICAL LIFE	Min. 500 cycles
RATED CURRENT	3 A
CONTACT RESISTANCE	Max. 10 mΩ
DIELECTRIC STRENGTH	Min. 1'000 V _{RMS}

For corresponding pin connectors, see pages 64-68.



ORDERING INFORMATION ROHS COMPLIANT PARTS

PP PLATING CODE	SLEEVE	CLIP
87	Tin	Flash gold
83	Tin	0.75 µm gold

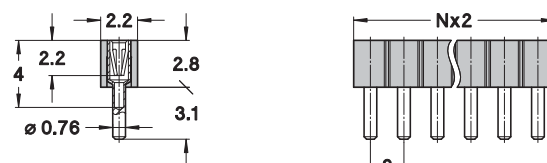
Other plating on request (see page 178 for plating specs).

NNN number of poles. Replace **NNN** with the requested number of poles, e.g. 833-87-**NNN**-10-001101 for a double row version with 16 pins becomes 833-87-**016**-10-001101.

831-PP-NNN-10-273101

Straight socket connector, low profile height 2.8 mm, solder tail, single row

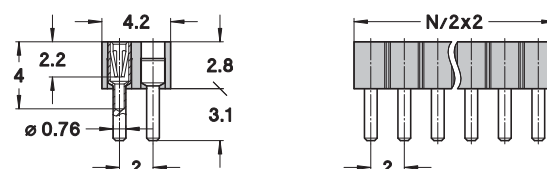
AVAILABILITY FROM 2 to 50 contacts
(standard number of contacts: 50)



833-PP-NNN-10-273101

Straight socket connector, low profile height 2.8 mm, solder tail, double row

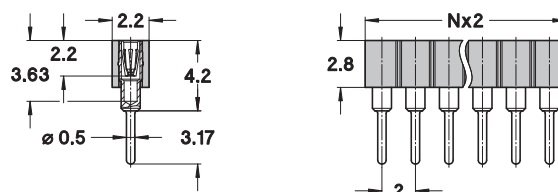
AVAILABILITY FROM 4 to 100 contacts
(standard number of contacts: 100)



831-PP-NNN-10-001101

Straight socket connector, height 4.2 mm, solder tail, single row

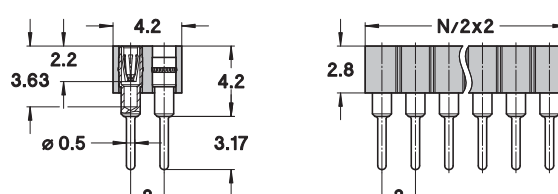
AVAILABILITY FROM 2 to 50 contacts
(standard number of contacts: 50)



833-PP-NNN-10-001101

Straight socket connector, height 4.2 mm, solder tail, double row

AVAILABILITY FROM 4 to 100 contacts
(standard number of contacts: 100)





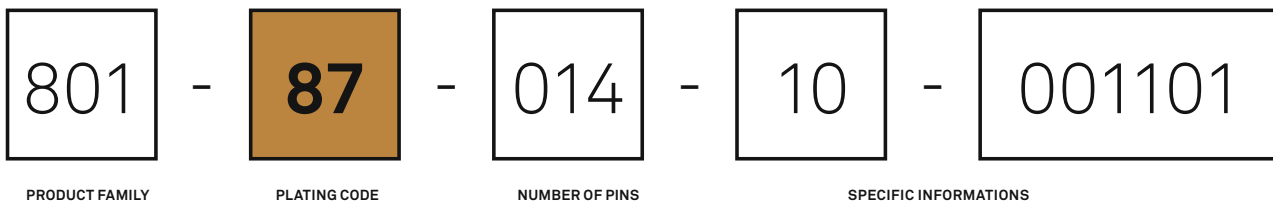
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GENERAL INFORMATION

PART NUMBERS AND PRODUCT IDENTIFICATION

PRECIDIP products are all identified with a unique part number. These numbers are built with up to 5 groups of digits separated by dashes. Each of these groups has its own signification, making it possible to identify the major characteristics of the product from the part number.

Please find below a brief explanation of PRECIDIP identification codes for connectors and sockets:



PRODUCT FAMILY

- | | |
|--------------------|---------------------------------|
| • 81 x, 8Px | Spring-loaded connectors |
| • 1 xx, 2 xx | DIL sockets |
| • 3 xx, 4 xx, 8 xx | PCB connectors |
| • 5 xx | BGA, PGA and PLCC sockets |
| • 6 xx, 7 xx | Carriers |
| • 9 xx | Circular connectors, TO sockets |

PLATING CODE

The standard plating codes are listed and specified in the catalog section Contacts under General technical specifications at page 178.
 Tin-plated PRECIDIP products had to be changed to become RoHS compliant and have received a new part number to allow clear identification. Tin-lead plating was replaced by pure tin plating and the old plating code 9x was replaced by 8x.

NUMBER OF PINS

These figures indicate always the total number of contacts of the product.

SPECIFIC INFORMATION

The last two groups of digits can have different significations depending on the product family:

- | | | | | |
|--|------------------------------------|------------------------|-----|----------|
| • Type of terminations (PCB connectors): | 10 | Straight solder pin | | |
| | 20 | Right angle solder pin | | |
| | 30 and 40 | SMD | | |
| | 5x | Wire-wrap | | |
| | 6x | Solderless press fit | | |
| • Type of clip (DIL sockets): | 00 | no clip | 4 x | 4 finger |
| | 31 | 3 finger | 6 x | 6 finger |
| • Packaging versions: | 003101 for box or tube packaging | | | |
| | 003191 for Tape and Reel packaging | | | |

EXAMPLES

- 114-87-628-41-134191:** DIL socket, 28 pins, 4 finger clip, tape and reel packaging
803-87-014-10-003101: PCB connectors, 14 pins, with straight solder pins, box packaging

ROHS-COMPLIANT PLATING

All products displayed in this catalog are compliant with the European Directive 2002/95/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Please note that standard PRECIDIP RoHS-compliant parts are additionally identified with a green dot on the packaging.